

**City of Cambridge Cool Factor Score Sheet**

**Score Sheet Notes**

- 1 - Use Cool Factor guidance document to facilitate completion of the Score Sheet.
- 2 - All SRI and SR requirements are based on LEED V4.1 standards for the Urban Heat Island Reduction Credit. Score sheet assumption is that 'cool roofs' will become a prerequisite of the Cool Factor with SRI requirement of 82 for low slope ≤ 2:12 and 39 for steep slope > 2:12
- 3 - When entering the area of the cool factor strategies within the public right of way or that are publicly accessible, do not also enter them in the Area (SF) column.

	Parcel Size (SF)		Zoning Open Space Requirement	Cooling Target		Total Score	Cool Factor Score
	<input type="text"/>		<input type="text"/>	<input type="text" value="0"/>		<input type="text" value="0"/>	#DIV/0!

STRATEGIES see guidance document for strategy definitions and prerequisites		Area (SF) not within 20' of the Public Right of Way	Multiplication Factor	Cooling Target	Area (SF) within 20' of the Public Right of Way or Publicly Accessible Area above 100 SF	Multiplication Factor	Total
hardscape + structures	Paving with initial SR 0.33 (LEED V4.1)	<input type="text"/>	0.15				0
	Shade Structure with initial SR 0.33 or higher (LEED V4.1)	<input type="text"/>	0.3	+	<input type="text"/>	0.33	0
Planting areas	Lawn or Turf Area, 8" soil depth	<input type="text"/>	0.3	+	<input type="text"/>	0.33	0
	Low Planting Area (Herbaceous or woody plants less than 2' tall at maturity), 18" soil depth	<input type="text"/>	0.4	+	<input type="text"/>	0.44	0
	Planting Area (Herbaceous or woody plants more than 2' tall at maturity), 24" soil depth	<input type="text"/>	0.5	+	<input type="text"/>	0.55	0
Green roofs	Green Roof, 4" soil depth, min 25' x 25' area	<input type="text"/>	0.3	+	<input type="text"/>	0.33	0
	Intensive Green Roof (less than 2' tall at maturity), 18" soil depth, min 25' x 25' area	<input type="text"/>	0.5	+	<input type="text"/>	0.55	0
	Intensive Green Roof, (greater than 2' tall at maturity), 24" soil depth, min 25' x 25' area	<input type="text"/>	0.6	+	<input type="text"/>	0.66	0

Tree canopy		Number of Plants	SF per tree	Multiplication Factor	Cooling Target	Number of Plants within 20' of Public Right of Way	Multiplication Factor	Total
Tree canopy	Tree canopy for "small tree species" or equivalent (canopy spread 8' to 15', 1" caliper). Prerequisite 400 cu ft of soil/tree.	<input type="text"/>	(x 75 sq ft)	0.6	+	<input type="text"/>	0.66	0
	Tree canopy for "medium tree species" or equivalent (canopy spread 16' to 21', 2" caliper). Prerequisite 600 cu ft of soil/tree.	<input type="text"/>	(x 250 sq ft)	0.7	+	<input type="text"/>	0.77	0
	Tree canopy for "large tree species" or equivalent (canopy spread 25' to 30', 2.5" caliper). Prerequisite 800 cu ft of soil/tree	<input type="text"/>	(x 500 sq ft)	0.8	+	<input type="text"/>	0.88	0
	Existing tree size defined by canopy width at the time of score sheet submittal.							
	small = 6'-15'	<input type="text"/>	(x 200 sq ft)	0.8	+	<input type="text"/>	0.88	0
	large = 15'+	<input type="text"/>	(x 500 sq ft)	1.4	+	<input type="text"/>	1.54	0